

Remarks

Reconsideration of this Application is respectfully requested.

Upon entry of the foregoing amendment, claims 1-10 are pending in the application, with claims 1 and 6 being the independent claims. Claims 1 and 6 are sought to be amended. These changes are believed to introduce no new matter, and their entry is respectfully requested.

Based on the above amendment and the following remarks, Applicants respectfully request that the Examiner reconsider all outstanding objections and rejections and that they be withdrawn.

Rejections under 35 U.S.C. § 103

Claims 1, 4 and 5 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Abbott et al. (US Patent No. 4,328,577) (Abbot) in view of Sebaa et al. (WESCON/94. 'Idea/Microelectronics' Conference) (Sebaa) and Gajjar (US Patent No. 5,787,463). Claim 2 stands rejected under 35 U.S.C. 103(a) as being unpatentable over Abbott in view of Sebaa and Gajjar, as applied to claim 1 above, and further in view of Mann et al. (US Patent Application Publication 2001/0013104) (Mann). Claims 6-9 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Aagaard et al. (US Patent No 3,928,730) (Aagard) in view of Abbott, Sebaa and Gajjar. Reconsideration of claims 1- 9 is respectfully requested.

Applicants respectfully submit that the various combined teachings of Abbott, Sebaa, Mann, Aagaard and Gajjar fail to teach or suggest the claimed invention. For example, claims 1 and 6 recite, in part, "wherein a CRC module is configured to receive

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testing output data directly from the one testing output data-path and to perform CRC testing of the video testing output data without interrupting simultaneous provision of the one or more video sources to the one or more destinations." (See Paragraph 19 and Figures 1 and 2). Neither Abbot, Sebaa, Gajjar or Mann, alone or in combination, teach the features of claims 1 and 6.

Page 4 of the Office Action states, "Gajjar teaches hardware dedicated to CRC testing (col. 4, lines 26-57; col. 5, lines 25-52; Fig. 3, CRC 118, Fig. 4, CRC 428)." The Examiner also states on page 9, "Gajjar teaches using dedicated hardware to calculate the CRC (col. 5, lines 32-34)." Though Gajjar may describe CRC hardware 118 (or 428) as being "dedicated hardware used to calculate the cyclic redundancy checksum (CRC)," Gajjar does not teach or suggest the one output data-path is dedicated to CRC output data, as recited in claims 1 and 6. Gajjar's memory bus 108 is coupled to both RAID processor 116 and CRC generator 118 (Gajjar, col. 4, ll. 31-34). Gajjar's RAID processor 116 performs "other functions" using memory bus 108 (Gajjar, col. 4, ll. 39-42 and 58-65). Gajjar's output data-path (memory bus 108) is not dedicated to CRC output data.

Furthermore, Sebaa and Gajjar do not teach performing CRC testing of the video testing output data without interrupting simultaneous provision of the one or more video sources to the one or more destinations, as recited in claims 1 and 6. In fact, Sebaa teaches away from this feature. Sebaa states "the TPG/TAE circuit can be reconfigured as a CRC signature analysis register ... In this mode the external video RAM can be checked before going through the data-path." (Gajjar p. 543, ll. 38-44, emphasis added.) Gajjar teaches performing CRC analysis before, not simultaneous to, output data going

through the data-path to the destination. Abbott, Mann and Aagaard fail to cure this deficiency. Consequently, Gajjar cannot be combined with Abbott, Sebaa, Mann, Aagaard to teach or suggest the features of claims 1 and 6.

Claims 2-5 depend from claim 1 and claims 7-9 depend from claim 6. Therefore, claims 2-5 and 7-9 are allowable at least for the reasons claims 1 and 6 are allowable, and for the specific features recited therein.

Reconsideration and withdrawal of the rejections of claims 1-9 is requested.

Allowable Subject Matter

The Office Action indicated that claim 10 would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants, however, choose not to rewrite claim 10 at this time.

Conclusion

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at the number provided.

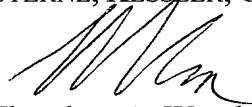
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NEUMAN *et al.*
Appl. No. 10/646,719

Prompt and favorable consideration of this Amendment and Reply is respectfully requested.

Respectfully submitted,

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